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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/034,070	12/20/2001	Robert Kaiser	W&B-INF-952	9447
24131	7590	08/09/2005	EXAMINER	
LERNER AND GREENBERG, PA P O BOX 2480 HOLLYWOOD, FL 33022-2480			TRIMMINGS, JOHN P	
			ART UNIT	PAPER NUMBER
			2133	

DATE MAILED: 08/09/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/034,070

Applicant(s)

KAISER ET AL.

Examiner

John P. Trimmings

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 June 2005 and 27 July 2005.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10, 12-21 and 23 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 23 is/are allowed.
- 6) ☐ Claim(s) 1-8, 10, 12-21 is/are rejected.
- 7) ☒ Claim(s) 9 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 December 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

This office action is in response to the applicant's Amendment dated 6/27/2005, and RCE dated 7/27/2005.

The applicant amended claims 1 and 12.

The applicant added new Claim 23.

Claims 1-10, 12-21 and 23 are pending in this office action.

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 6/27/2005 has been entered.

Response to Arguments

2. Applicant's arguments in regard to Claims 1-8, 10 and 12-21 filed 6/27/2005 have been fully considered but they are not persuasive. In the interest of clarity, the examiner will rebut the applicant's arguments with the same art, but with different citations within the art.

As per Claims 1 and 12:

The applicant has argued that none of the references, Dreibelbis or Wong, disclose that the setting memory is only accessible via the registers of the buffer memory, and that the registers of the buffer memory are used as latches for reading out and writing to the setting memory. The examiner disagrees. The disclosure of Dreibelbis, as in FIG.2, teaches a processor ("Sequencer and DRAM Control Logic"), a buffer memory (FIG.6c Word and Databit Redundancy Allocation registers), and a setting memory (FIG.6d Failed Word Address Register CAM and "Register" in FIG.2). FIG.2 of Dreibelbis further shows the "Register" being accessible via the "Redundancy Allocation" register only. Also taught is that the access of the CAM and Databit Fail Register is only through scan-out (page 1736 column 2 last paragraph), which is through the buffer register latches (FIG.6c Word and Databit Redundancy Allocation registers), and therefore teaches that the setting memory (the CAM of FIG.6d) is only via the scan-in/scan-out registers shown in FIG.6a. In view of the teachings of Dreibelbis, and the further teaching of Wong, the examiner maintains the rejection under 35 USC 103 of Claims 1 and 12. And consequently, in view of the dependent Claims 2-8, 10 and 13-21, Claims 1-8, 10 and 12-21 are maintained as rejected.

3. Applicant's argument, see amendment filed 6/27/2005, with respect to Claim 9 has been fully considered and is persuasive. The rejection of Claim 9 under 35 USC 103 has been withdrawn.

Allowable Subject Matter

4. Claim 9 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims, and would be allowable for the same reason as outlined below for Claim 23.

5. Claim 23 is allowed. The following is a statement of reasons for the indication of allowable subject matter: The reference art of Dreibelbis, and the further teaching of Wong, teach an integrated circuit/method for determining setting data for a setting memory of a memory determined to be defective, comprising a processor, buffer memory, and setting memory, all interconnected, with the setting memory only accessible by the buffer memory shift register. However, the prior arts of record taken alone, or in combination failed to teach, anticipate, suggest, or render obvious the claimed invention or the method steps of the application. Specifically, as per Claim 23, the prior arts failed to teach, anticipate, suggest, or render obvious the limitation introduced into the claim, namely: the buffer memory shift register has at least one switch subdividing the shift register into registers for use of the processor.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John P. Trimmings whose telephone number is (571)

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272-3830. The examiner can normally be reached on Monday through Thursday, 7:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Albert DeCady can be reached on (571) 272-3819. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


John P Trimmings
Examiner
Art Unit 2133

jpt


ALBERT DECADY
SUPERVISORY PATENT EXAMINER
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